

DECT 12 - EuroGeneris

Application note

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Presentation

Introduction

DECT 12 cordless system enhances EuroGeneris system by introducing an innovative solution in terms of mobility. It conforms to the Digital Enhanced Cordless Telecommunications standard.

The DECT 12 radio hub is connected to EuroGeneris and offers two incoming/outgoing ISDN BRIs through EuroGeneris, providing extended cordless coverage. This type of installation is suitable for departments and/or users with a requirement for cordless communications.

The number of system components required for each installation will vary according to system coverage and call traffic. The radio extensions provide the radio link to the cordless phones and are controlled by the radio hub. The system has a maximum capacity of twelve WT9001 cordless phones and three radio extensions, one of them being integrated into the radio hub, the other two being external.

Features

Features

Available features to DECT 12 users in a departmental application

Basic call Conference (ISDN service)
Attendant call Transfer (ISDN service)

Group call Hold - Return to call - Toggle (ISDN

Answer page service)

Ringer cutoff
Advice of charge (ISDN service)
Play a voice message
Calling party identification (ISDN

System directories service)

Available features to DECT 12 users only

Call pickup List of the last ten unanswered trunk

Automatic callback calls

Intrusion Administrable protections

Call forward internal Change PIN
Display language Change COR

DECT 12 system directory Protection against unauthorized use

Temporary memory View the radio link quality

Available features at WT9001 cordless phones

Personal directory (up to 10 numbers)

Last number dialed

Mute

Volume control of the receiver (2 levels) Volume control of the ringer (7 levels)

Ringing patterns (10 patterns)

Audible button stroke

Keypad lock

Protection against unauthorized use

Reset

Tone/DTMF signaling Battery load indication

•

Administrable call filters

Cordless phone users can allow/prevent specific trunk calls being received at their phone. Three different administrable call filters are available.

Advice of charge

This ISDN service is available to cordless phone users for ISDN trunk calls only. Both DECT 12 and EuroGeneris systems provide detailed call information.

To compute call costs and allocate charges, it is recommended to use EuroGeneris Call Detailed Recording.

Answer page

This EuroGeneris feature is available to cordless phone users.

Attendant call

This EuroGeneris feature is available to cordless phone users.

Automatic callback

Cordless phone users can place an automatic callback to cordless phone users only.

Basic call

Basic calls can take place

- between two cordless phones,
- between a cordless phone and a EuroGeneris voice terminal,
- between a cordless phone and an outside number.

Call forward internal

Cordless phone users can redirect their calls to an extension number (cordless phone or EuroGeneris extension). All types of calls can be redirected. The feature implemented for redirection is the trunk-to-trunk transfer using two B-channels.

Call pickup

Cordless phone users can answer calls placed to cordless phone users only.

Caller identification

This ISDN service is available to cordless phone users. One of the following will occur:

A DECT user calls a EuroGeneris user.
 The caller's MSN (Multiple Subscriber Number) and name are displayed in

Features

turn at the EuroGeneris voice terminal.

A EuroGeneris user calls a DECT user.

The caller's extension number is displayed at the cordless phone.

If the caller's extension number is an entry in the DECT 12 directory, the caller's name will be displayed.

- A DECT user calls an outside party.
 According to EuroGeneris administration, the caller's MSN or DID number may be displayed at the outside party's telephone.
- An outside party calls a DECT user.
 The caller's telephone number is displayed at the cordless phone.

Change COR

Cordless phone users can switch between the 'enhanced' and 'standard' assigned classes of restriction whenever required.

Change PIN

Cordless phone users can modify their personal identification number. The default PIN is 0000.

Conference

This ISDN service is available to cordless phone users. The conferees may be cordless phone users, EuroGeneris users or outside parties. A cordless phone user may initiate the conference call.

Display language

Cordless phone users can select the appropriate language among two options.

Group call

This EuroGeneris feature is available to cordless phone users.

Hold - Return to call - Toggle

This ISDN service is available to cordless phone users. A call may be held and retrieved at a cordless phone. The party on hold receives the DECT 12 music-on-hold.

Intrusion

Cordless phone users can enter a cordless phone user's existing call if administered.

List of the last ten unanswered trunk calls

Cordless phone users can consult and use the list to call their callers back.

•

Play a voice message

Cordless phone users cannot forward their calls to a voice messaging system. In no-answer and busy conditions, calls are redirected to the voice messaging system and users are able to retrieve voice messages recorded in their own voice mailboxes.

Protection against unauthorized use

Cordless phone users can select the requested protection among the 4 available options (telephone lock, programming disabled, emergency only, babyphone only).

Ringer cutoff

This EuroGeneris feature is available to cordless phone users.

System directory

Cordless phone users can access both DECT 12 and EuroGeneris directories by dialing the appropriate abbreviated numbers.

Temporary memory

While connected to a party, cordless phone users can store a telephone number in a temporary memory.

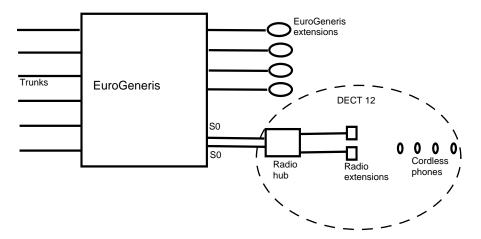
Transfer

This ISDN service is available to cordless phone users. A call may be transferred from a cordless phone to a EuroGeneris voice terminal and vice versa.

Presentation *Features*

Installation

Call traffic capability is dependent upon the number of incoming/outgoing ISDN BRIs, the number of radio extensions and the number of cordless phones on the system. Therefore it is recommended to connect both ISDN BRIs to EuroGeneris. If only one ISDN BRI is to be connected, preferISDN BRI 1. In that case, ISDN BRI 2 should not be connected to any other system. The ISDN BRI is administered as a point to multipoint connection but does not support any other ISDN terminal.



EuroGeneris system

For full details about system installation, see EuroGeneris Installation manual.

Prerequisites

The following hardware is required:

An ISDN BRI trunk and/or extension side board (S/T) to be mounted in the cabinet.

Installation procedure

- 1. Proceed to system installation if not done previously.
- 2. Check that the double terminal resistors located on the ISDN BRI trunk and/ or extension side board (S/T) are actived.
- 3. Mount the ISDN BRI trunk and/or extension side board (S/T) into the cabinet.

4. Switch on the system.

Note: The ISDN BRI trunk and/or extension side board may be unmounted when the system is switched on.

DECT 12 system

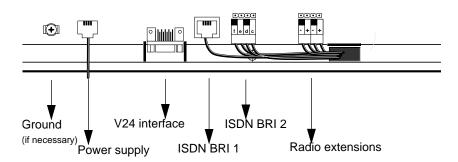
For full details about system installation, see DECT 12 Installation manual.

Prerequisites

Prior to installation, a number of operations have to be performed:

- 1. Charge the cordless phone battery packs.
- **2.** Estimate the site position of the radio hub and extensions.
- 3. Verify the cordless performance of the system (on-site trials).

Installation procedure



1. Proceed to system installation (radio hub and radio extensions).

Note: Radio extensions are designed to be wall-mounted. Barriers between a radio extension and a cordless phone will reduce the coverage area by obstructing the radio signal. Range is reduced by glass, wood, brick or concrete. Transmission cannot take place at all through metal.

- 2. Connect the radio extensions to the radio hub.
- Connect the external power supply to the radio hub and plug it into the wall socket.
- Switch on the system.
- Load DECT 12 administration software on the PC. See Load the administration software, page 2-3.

Installation procedure

Load the administration software

Proceed as follows:

- 1. Insert the floppy disk into the appropriate drive.
- 2. Enter the command "a:setup".
- Proceed as indicated.

Interconnecting systems

The two systems are connected together by means of ISDN linking cables supplied in the DECT 12 package.

Note: If the DECT 12 is located far from EuroGeneris, junction boxes will have to be used to connect the ISDN BRIs. These junction boxes should be sited as close as possible to the radio hub and two terminal resistors (100 Ohms) should be added in compliance with ISDN cabling standards.

- 1. Connect DECT 12 ISDN BRI 1 to a EuroGeneris S0 jack.
- Take a note of the port number (WXY) and fill out the planning form accordingly. See *Planning form*, page 3-3.
- 3. Connect DECT 12 ISDN BRI 2 to a EuroGeneris S0 jack.
- Take a note of the port number (WXY) and fill out the planning form accordingly. See *Planning form*, page 3-3.

2

Installation

Interconnecting systems
Installation procedure

Administration

Selecting the most appropriate configuration

This chapter shows two examples illustrating typical installations of a DECT 12 cordless system in a departmental application with EuroGeneris.

Call traffic capability is dependent upon the way the systems are configured. It is important to assess the typical telephone use of each individual (high, medium or low) prior to planning and administering the systems.

Application 1

This installation will offer cordless communications to twelve cordless users with **low traffic rates**: cordless phones are administered so that six of them use only ISDN BRI 1 for incoming and outgoing calls, the other six using ISDN BRI 2.

Considerations

- When two cordless phones are on calls with EuroGeneris extensions or outside numbers, the last four cordless phones cannot receive or place calls.
- Cordless phone users may be called by dialing:
 - Their cordless extension numbers.
 - Their wired extension numbers. When they will be away from their desk for a while, they redirect their calls from the wired to the cordless phone.
 - Their extension group numbers (when the wired and cordless extensions are administered as members of a Terminating Extension Group). Incoming calls ring both extensions simultaneously and the users may answer their calls at either extension.

Application 2

This installation will offer cordless communications to twelve cordless users with **medium** to **high traffic rates**: cordless phones are administered so that they may all use both ISDN BRIs for incoming and outgoing calls.

Considerations

- Each cordless phone is assigned two different extension numbers:
 - Check that EuroGeneris extension capacity (GAL on the CCES board) allows this configuration.
- The two different cordless and the wired extension numbers are administered as members of Terminating Extension Group:
 - Cordless phone users may be called by dialing their extension group numbers. Incoming calls ring both extensions simultaneously and the users may answer their calls at either extension.

Administration for application 1 Dial plan & feature access codes

Administration for application 1

Dial plan & feature access codes

Number of digits in the extension numbers

The number of digits in the extension numbers depends upon the number of EuroGeneris wired extensions (a) and DECT 12 cordless extensions (b).

- If a+b<=100, the number of digits in the extension numbers may be 3 or 4.
- If a+b>100, the number of digits in the extension numbers is 4.
- Fill out the planning form accordingly. See Planning form, page 3-3.

Cordless extension numbers

- At the PC, run EuroGeneris administration software (GENECOM1) and in the Main menu, select option C "System administration".
- 2. When the system welcome screen is displayed, enter the login password (lxxxx).

Note: The login password is factory-set as 10000.

- In the EuroGeneris menu, select option 1 "Main menu". 3.
- In the Main menu, select option 5 "Terminal translation initialization".

```
Terminal translation initialization
Match port numbers with extension
numbers :
300 -> 010 308 -> 030 316 -> 050 324 -> 070
301 ->011 309 ->031 317 ->051 325 ->071 302 ->012 310 ->032 318 ->052 326 ->072 303 ->013 311 ->033 319 ->053 327 ->073
304 ->020 312 ->040 320 ->060 328 ->080 305 ->021 313 ->041 321 ->061 329 ->081 306 ->022 314 ->042 322 ->062 330 ->082
307->023 315->043 323->063 331 ->083
```

Note: When the screen is completely filled out, as shown above, press the "Next" button as many times as necessary to display the next screen.

Important: The total number of users may lead to a change from 3 to 4-digit extensions numbers (See Number of digits in the extension numbers, page 3-2.). In that case, the extension numbers are automatically converted as follows: 305 -> 3005, 315 -> 3015, 325 -> 3025.

5. Take a note of the extension numbers that are not used.

Administration for application 1

Planning form

6. Define the cordless extension numbers and fill out the planning form accordingly. See *Planning form*, page 3-3.

Planning form

Make a copy of this page and fill it out with all the information that are necessary to administer both EuroGeneris and DECT 12 systems.

Cordless phone		Call number Number of digits: □ 3 or □ 4		ISDN BRI		Group	
	User's name	Eurogeneris wired extension	DECT 12 cordless extension	1 WXY :	2 WXY :	Number	Name
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

- **1.** Enter the port number (WXY) for each ISDN BRI. See *Interconnecting systems*, page 2-3.
- **2.** Enter the number of digits in the extension numbers. See *Number of digits in the extension numbers*, page 3-2.
- **3.** Enter the call numbers for cordless extensions. See *Cordless extension numbers*, page 3-2.
- 4. Enter the cordless users' names.
- **5.** If appropriate, enter the call numbers for wired extensions.
- 6. Assign an ISDN BRI to each cordless phone.

Note: A even distribution is best.

Administration for application 1 EuroGeneris administration

7. When a user has a cordless phone and a wired telephone, both of them may be assembled into a group. If it is the case, enter the group number and name. See *Application 1*, page 3-1.

Note: The group name may be identical to the user's name.

EuroGeneris administration

Proceed as indicated below.

- 1. At the PC, run EuroGeneris administration software (GENECOM1) and in the Main menu, select option C "System administration".
- When the system welcome screen is displayed, enter the login password (Ixxxx).

Note: The login password is factory-set as 10000.

- **3.** In the EuroGeneris menu, select option **1** "Main menu".
- **4.1.** In the Main menu, select option **2** "System administration" to modify the number of digits in the extension numbers.
- **4.2.** In the System administration menu, select option **6** "Feature access code".

```
Feature access code

ARS and Attendant codes (1 or 2) . : Option 1 : Att=9 ; ARS=0 Option 2 : Att=0 ; ARS=9

First digit (from 1 to 8, * or #) . . . . : .

Number of digits in the extension number (3 or 4) . . . . : .

System AD plan (0 or 1) . . . . . : . Option 0 : Starts at 8200 Option 1 : Starts at 8000
```

- **4.3.** Enter **4** in the field "Number of digits in the extension number".
- **4.4.** Press "Enter" to validate.
- **4.5.** Press "Enter" again. This operation results in restarting the system.
- **4.6.** Repeat steps 1 to 3.
- 5. In the Main menu, select option 3 "Extension administration".
- **6.** In the Extension administration menu, select option **1** "Administer an extension".

Administration for application 1

EuroGeneris administration

7. Enter the call number for the cordless extension (See *Planning form*, page 3-3.) and validate.

- 8. Enter 7 to define the terminal type (Euro-ISDN terminal).
- 9. Enter the port number (WXY) (See *Planning form*, page 3-3.) and validate.

```
User's name ...:

Auto-answer (Y/N) ....:

Port number (WXY):...

W: Cabinet number

X: Slot number

Y: Jack number
```

- **10.** Enter the user's name (See *Planning form*, page 3-3.) and validate.
- Check and modify if appropriate the COR and time-of-day plan assignments and validate.
- **12.** Repeat steps 7 to 11 for each cordless phone.
- 13. Press the "F4" button to go back to the Extension administration menu.
- 14.1. In the Extension administration menu, select option 2 "Extension group" if appropriate.

Administration for application 1 EuroGeneris administration

14.2. Enter the group number (See *Planning form*, page 3-3.) and validate.

- 14.3. Enter the group name (See Planning form, page 3-3.).
- 14.4. Enter 1 in the field "Call distribution mode" and validate.

- 14.5. Place the cursor on the call number for the wired extension and press "Y".
- **14.6.** Place the cursor on the call number for the cordless extension and press "Y".
- 14.7. Validate.
- 14.8. Repeat steps 14.2 to 14.7 for each cordless phone.
- **15.** EuroGeneris administration procedure is now completed. Press the "ESC" button to leave system administration.

DECT 12 administration

DECT 12 administration

Proceed as indicated below.

- Establish the connection, page 3-7.
- Set the display language and country, page 3-8.
- Define the system name, page 3-9.
- Administer ISDN BRIs, page 3-9.
- Administer the cordless extensions, page 3-11.
- Administer ISDN BRI parameters, page 3-12.
- Define the common outgoing feature access code, page 3-13.
- Assign the cordless phones to the ISDN BRIs, page 3-13.
- Define the incoming call distribution, page 3-14.
- Define the outgoing assignments, page 3-15.
- Check the consistency with EuroGeneris dial plan, page 3-16.
- Register the cordless phones, page 3-16.

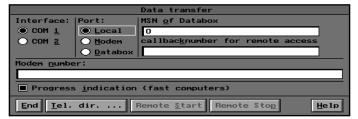
Note: For assistance, call LUCENT TECHNOLOGIES hotline.

Establish the connection

- 1. Connect the PC to the DECT 12 radio hub serial port.
- **2.** Run the "Dect12gb.exe" administration software application.
- 3. Enter the appropriate password: **LUCENT**. **Note**: PC's keyboard should be in capital mode.
- 4. Validate to access the main menu.



5. In the "Settings" menu, select the "Transfer" option.



- In the "Data transfer" menu, select the appropriate interface option (COM1 or COM2).
- 7. In the "Data transfer" menu, select the "Local" port option.

Administration for application 1 DECT 12 administration

8. Click on the "End" button.

Set the display language and country

1. In the Main menu, click on the "System data" button.



- 2. Select the "Language/Country setup" option.
- Select the appropriate first and second display "Language" options for the System features.



Note: The unique display language for the Telephone features is ENGLISH.

- 4. Select the appropriate "Country setup" option.
- 5. Click on the "End" button.

DECT 12 administration

Define the system name

1. In the "System data" menu, select the "Address" option.



- 2. Enter the appropriate name in the "Name of system".
- 3. Click twice on the "End" button.

Administer ISDN BRIs

1. In the Main menu, click on the "System configuration" button.



2. Select the "Digital ports" option.

Administration for application 1 DECT 12 administration

3. Click on the "Edit" button.



4. Click on the "Mode" button.

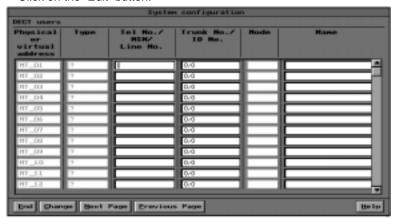


- 5. Select the "S0 multi-device access (DSS1/PtMP)".
- **6.** A message is displayed. Click on the "Ok" button.
- 7. Click on the "End" button.
- **8.** Repeat the above steps for the second ISDN BRI.

DECT 12 administration

Administer the cordless extensions

- In the "System configuration overview" menu, select the "DECT users" option.
- 2. Click on the "Edit" button.



- **3.** For each cordless phone, enter its call number (3rd column) and the user's name (6th column). See *Planning form*, page 3-3.
- 4. Click twice on the "End" button.

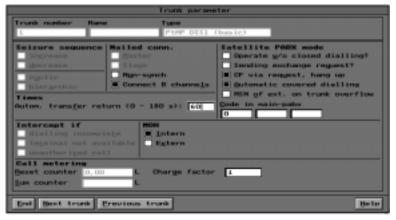
Administration for application 1 DECT 12 administration

Administer ISDN BRI parameters

1. In the Main menu, click on the "Trunk parameter" button.



2. In the "Trunk select" menu, click on the "Parameter" button.



- 3. In the "Nailed conn." area, check that
 - "Non-synch" is not selected.
 - "Connect B channels" is selected.

Note: DECT 12 non-synchonization is mandatory when EuroGeneris is not connected to the digital network (ISDN BRI or PRI).

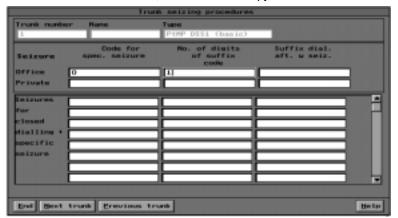
- **4.** In the "Satellite PABX mode" area, check that
 - "Operate without closed dialling" is not selected.
 - "Sending exchange request" is not selected.
 - "MSN of ext. on trunk overflow" is not selected.
 - "CF via request, hang up" is selected.
 - "Automatic covered dialling" is selected.
- **5.** Enter "**0**" in the first field "Code in main-pabx".
- 6. Click on the "Next trunk" button.
- 7. Repeat the above steps for the second ISDN BRI.

DECT 12 administration

8. Click on the "End" button.

Define the common outgoing feature access code

1. In the "Trunk select" menu, click on the "Occupy trunk" button.



- On the "Office" line, enter 0 in the first column "Code for spec. seizure" and
 1 in the second column "No. of digits of suffix code".
- 3. Click on the "Next trunk" button.
- 4. Repeat step 2 for the second ISDN BRI.
- 5. Click on the "End" button.

Assign the cordless phones to the ISDN BRIs

1. In the "Trunk select" menu, click on the "Answering terminal(s)" button.



- 2. Set the "Overflow" option so that the ISDN BRI overflows on itself.
- Enter the call numbers for cordless extensions assigned to the ISDN BRI
 1 in the "MSN" column, in the "Answering terminal" area. See *Planning form*, page 3-3.

Administration for application 1 DECT 12 administration

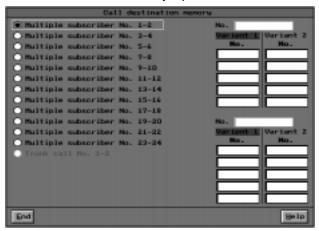
- 4. Click on the "Next trunk" button.
- 5. Repeat steps 2 and 3 for the second ISDN BRI.
- Click twice on the "End" button.

Define the incoming call distribution

1. In the Main menu, click on the "Groups" button.



2. Select the "Call destination memory" option.



- Copy the number displayed into both columns "Variant 1" and "Variant 2".
 This screen allows to set the incoming call distribution for a couple of MSNs.
- 4. Select the next pair of MSNs.

Note: MSNs 1 - 12 are linked to ISDN BRI 1 and MSNs 13 - 24 to ISDN BRI 2.

- **5.** Repeat steps 3 and 4 for each cordless extension number.
- **6.** Click twice on the "End" button.

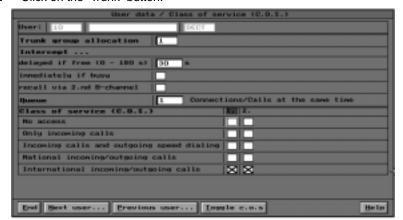
DECT 12 administration

Define the outgoing assignments

1. In the Main menu, click on the "User data" button.



2. Click on the "Trunk" button.

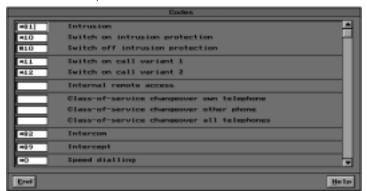


- **3.** For each user, enter the appropriate ISDN BRI number in the "Trunk group allocation" area. See *Planning form*, page 3-3.
- 4. Click twice on the "End" button.

Administration for application 1 DECT 12 administration

Check the consistency with EuroGeneris dial plan

1. In the Main menu, click on the "Codes" button.



- Check that DECT 12 feature access codes are different from EuroGeneris feature access codes.
- 3. Click on the "End" button.
- In the "File" menu, select the "Quit" option to quit the DECT 12 administration procedure.

Register the cordless phones

Register the first cordless phone

The first cordless phone to be registered is the Asministrator phone.

- 1. Press the Menu button.
- 2. Press the **Previous** or **Next** button to select the «SET UP» feature.



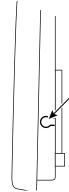
3. Press the OK button.

DECT 12 administration

4. Press the Previous or Next button to select the «LOG IN» feature.

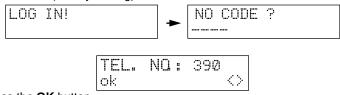


At the radio hub, press the button located on the right-hand side



Note: You have one minute to achieve the registration procedure.

- 5. At the cordless phone, press the **OK** button.
- 6. Enter "0000" (factory-setting)



- 7. Press the OK button.
- 8. System name is displayed.



The Administrator cordless phone is ready for operation.

Register additional cordless phones

At the Administrator cordless phone:

- 1. Press the ON/OFF HOOK button.
- 2. Press the Menu button.



- 3. Press the Previous or Next button to select the «SET-UP MENU».
- 4. Press the OK button.

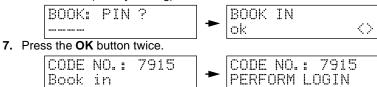


5. Press the OK button.

Administration

Administration for application 1 DECT 12 administration

6. Enter "0000" (factory-setting)



At an additional cordless phone:

Note: You have one minute to achieve the registration procedure.

- 8. Press the Menu button.
- 9. Press the Previous or Next button to select the «SET UP» feature.



- 10. Press the OK button.
- 11. Press the Previous or Next button to select the «LOG IN» feature.



- 12. Press the OK button.
- **13.** Enter the 4-digit code displayed by the system at the administrator phone.



- 14. Press the OK button.
- 15. System name is displayed.



The additional cordless phone is ready for operation.

Repeat the above steps for each cordless phone which requires registration on the system.

Dial plan & feature access codes

Administration for application 2

Dial plan & feature access codes

Number of digits in the extension numbers

Note: The number of digits in the extension numbers depends upon the number of EuroGeneris wired extensions (a) and DECT 12 cordless extensions (b).

- If a+(b*2)<=100, the number of digits in the extension numbers may be 3 or 4.
- If a+(b*2)>100, the number of digits in the extension numbers is 4.
- 1. Fill out the planning form accordingly. See *Planning form*, page 3-3.

Cordless extension numbers

- At the PC, run EuroGeneris administration software (GENECOM1) and in the Main menu, select option C "System administration".
- When the system welcome screen is displayed, enter the login password (lxxxx).

Note: The login password is factory-set as 10000.

- 3. In the EuroGeneris menu, select option 1 "Main menu".
- **4.** In the Main menu, select option **5** "Terminal translation initialization".

```
Terminal translation initialization

Match port numbers with extension
numbers:

300 -> 010  308 -> 030  316 -> 050  324 -> 070
301 -> 011  309 -> 031  317 -> 051  325 -> 071
302 -> 012  310 -> 032  318 -> 052  326 -> 072
303 -> 013  311 -> 033  319 -> 053  327 -> 073
304 -> 020  312 -> 040  320 -> 060  328 -> 080
305 -> 021  313 -> 041  321 -> 061  329 -> 081
306 -> 022  314 -> 042  322 -> 062  330 -> 082
307 -> 023  315 -> 043  323 -> 063  331 -> 083
```

Note: When the screen is completely filled out, as shown above, press the "Next" button as many times as necessary to display the next screen.

Important: The total number of users may lead to a change from 3 to 4-digit extensions numbers (See Number of digits in the extension numbers, page 3-2.). In that case, the extension numbers are automatically converted as follows: 305 -> 3005, 315 -> 3015, 325 -> 3025.

Administration

Administration for application 2

Planning form

- **5.** Take a note of the extension numbers that are not used.
- **6.** Define the cordless extension numbers (2 for each cordless phone) and fill out the planning form accordingly. See *Planning form*, page 3-3.

Planning form

Make a copy of this page and fill it out with all the information that are necessary to administer both EuroGeneris and DECT 12 systems.

Cordless phone	User's name	Call number Number of digits: □ 3 or □ 4		ISDN BRI		Group	
		Eurogeneris wired extension	DECT 12 cordless extension	1 WXY :	2 WXY :	Number	Name
10				~	· ·		
				· ·			
11					~		
12				V			
					· ·		
13		-		<i>'</i>	· ·		
4.4				~			
14	14				~		
15	15			~			
				V	<i>'</i>		
16		-			· ·		
47	17			~			
17					~		
18			~				
				· ·	<i>'</i>		
19				· ·	-		
20				~			
					~		
21				~			
					'		

1. Enter the port number (WXY) for each ISDN BRI. See *Interconnecting* systems, page 2-3.

EuroGeneris administration

- Enter the number of digits in the extension numbers. See Number of digits in the extension numbers, page 3-2.
- **3.** Enter the call numbers for cordless extensions (2 for each cordless phone). See *Cordless extension numbers*, page 3-2.
- 4. Enter the cordless users' names.
- **5.** If appropriate, enter the call numbers for wired extensions.
- Enter the group number and name. See Application 2, page 3-1.

Note: The group name may be identical to the user's name.

EuroGeneris administration

Proceed as indicated below.

- 1. At the PC, run EuroGeneris administration software (GENECOM1) and in the Main menu, select option C "System administration".
- When the system welcome screen is displayed, enter the login password (lxxxx).

Note: The login password is factory-set as 10000.

- 3. In the EuroGeneris menu, select option 1 "Main menu".
- **4.1.** In the Main menu, select option **2** "System administration" to modify the number of digits in the extension numbers.
- **4.2.** In the System administration menu, select option **6** "Feature access code".

- 4.3. Enter 4 in the field "Number of digits in the extension number".
- 4.4. Press "Enter" to validate.
- **4.5.** Press "Enter" again. This operation results in restarting the system.
- **4.6.** Repeat steps 1 to 3.
- **5.** In the Main menu, select option **3** "Extension administration".
- **6.** In the Extension administration menu, select option **1** "Administer an extension".

Administration for application 2 EuroGeneris administration

7. Enter the call number for the cordless extension (See *Planning form*, page 3-3.) and validate.

- 8. Enter 7 to define the terminal type (Euro-ISDN terminal).
- 9. Enter the port number (WXY) (See *Planning form*, page 3-3.) and validate.

```
User's name ...:

Auto-answer (Y/N) ....:

Port number (WXY):...

W: Cabinet number

X: Slot number

Y: Jack number
```

- **10.** Enter the user's name (See *Planning form*, page 3-3.) and validate.
- Check and modify if appropriate the COR and time-of-day plan assignments and validate.
- **12.** Repeat steps 7 to 11 for each cordless phone.
- **13.** Press the "F4" button to go back to the Extension administration menu.
- 14. In the Extension administration menu, select option 2 "Extension group".

EuroGeneris administration

15. Enter the group number (See *Planning form*, page 3-3.) and validate.

```
Operational characteristics-Group ...

Name of group : ...

Mode de fonctionnement du groupe
Terminating extension group ... (1)
Direct department calling .... (2)
Uniform call distribution .... (3)
Select option .... (1)

Maximun number of calls in queue : ... (1 to 32)
Hunting delay interval : ... (5 to 99s)

Ring several ext. at once ..(Y/N) : .
```

- **16.** Enter the group name (See *Planning form*, page 3-3.).
- 17. Enter 1 in the field "Call distribution mode" and validate.

- **18.** Place the cursor on the call number for the wired extension and press "Y".
- **19.** Place the cursor on the call numbers for the cordless extension and press "Y".
- 20. Validate.
- 21. Repeat steps 15 to 20 for each cordless phone.
- **22.** EuroGeneris administration procedure is now completed. Press the "ESC" button to leave system administration.

Administration for application 2 DECT 12 administration

DECT 12 administration

Proceed as indicated below:

- · Establish the connection, page 3-24.
- Set the display language and country, page 3-25.
- Define the system name, page 3-25.
- Administer ISDN BRIs, page 3-26.
- Administer the cordless extensions, page 3-27.
- Administer ISDN BRI parameters, page 3-28.
- Define the common outgoing feature access code, page 3-29.
- Assign the cordless phones to the ISDN BRIs, page 3-29.
- Define the incoming call distribution, page 3-30.
- Check the consistency with EuroGeneris dial plan, page 3-31.
- Register the cordless phones, page 3-31.

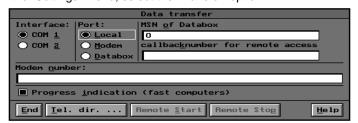
Note: For assistance, call LUCENT TECHNOLOGIES hotline.

Establish the connection

- 1. Connect the PC to the DECT 12 radio hub serial port.
- **2.** Run the "Dect12gb.exe" administration software application.
- **3.** Enter the appropriate password: **LUCENT**. *Note: PC's keyboard should be in capital mode.*
- 4. Validate to access the main menu.



5. In the "Settings" menu, select the "Transfer" option.



- In the "Data transfer" menu, select the appropriate interface option (COM1 or COM2).
- 7. In the "Data transfer" menu, select the "Local" port option.
- Click on the "End" button.

Set the display language and country

1. In the Main menu, click on the "System data" button.



- 2. Select the "Language/Country setup" option.
- **3.** Select the appropriate first and second display "Language" options for the System features.

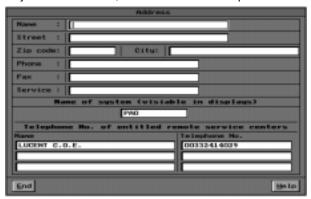


Note: The unique display language for the Telephone features is ENGLISH.

- 4. Select the appropriate "Country setup" option.
- 5. Click on the "End" button.

Define the system name

1. In the "System data" menu, select the "Address" option.



Administration for application 2 **DECT 12 administration**

- 2. Enter the appropriate name in the "Name of system".
- Click twice on the "End" button. 3.

Administer ISDN BRIs

In the Main menu, click on the "System configuration" button.



- Select the "Digital ports" option. 2.
- 3. Click on the "Edit" button.



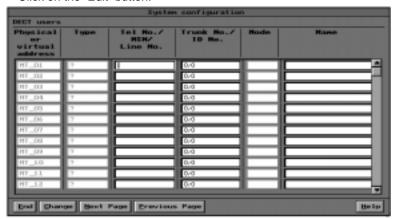
Click on the "Mode" button.



- 5. Select the "S0 multi-device access (DSS1/PtMP)".
- A message is displayed. Click on the "Ok" button. 6.
- 7. Click on the "End" button.
- 8. Repeat the above steps for the second ISDN BRI.

Administer the cordless extensions

- In the "System configuration overview" menu, select the "DECT users" option.
- 2. Click on the "Edit" button.

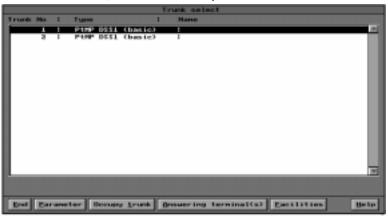


- **3.** For each cordless phone, enter its call number (3rd column) and the user's name (6th column). See *Planning form*, page 3-3.
- 4. Click twice on the "End" button.

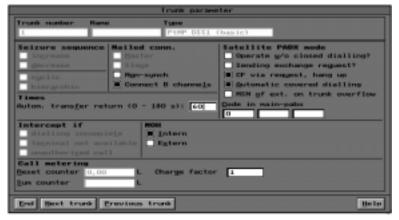
Administration for application 2 DECT 12 administration

Administer ISDN BRI parameters

1. In the Main menu, click on the "Trunk parameter" button.



2. In the "Trunk select" menu, click on the "Parameter" button.



- 3. In the "Nailed conn." area, check that
 - "Non-synch" is not selected.
 - "Connect B channels" is selected.

Note: DECT 12 non-synchonization is mandatory when EuroGeneris is not connected to the digital network (ISDN BRI or PRI).

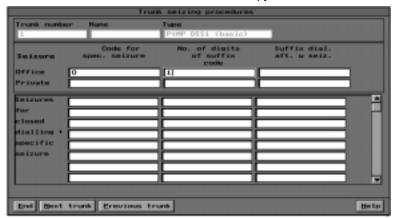
- **4.** In the "Satellite PABX mode" area, check that
 - "Operate without closed dialling" is not selected.
 - "Sending exchange request" is not selected.
 - "MSN of ext. on trunk overflow" is not selected.
 - "CF via request, hang up" is selected.
 - "Automatic covered dialling" is selected.
 - Enter "0" in the first field "Code in main-pabx".
- 6. Click on the "Next trunk" button.
- 7. Repeat the above steps for the second ISDN BRI.

5.

8. Click on the "End" button.

Define the common outgoing feature access code

1. In the "Trunk select" menu, click on the "Occupy trunk" button.



- On the "Office" line, enter 0 in the first column "Code for spec. seizure" and
 1 in the second column "No. of digits of suffix code".
- 3. Click on the "Next trunk" button.
- 4. Repeat step 2 for the second ISDN BRI.
- Click on the "End" button.

Assign the cordless phones to the ISDN BRIs

1. In the "Trunk select" menu, click on the "Answering terminal(s)" button.



- 2. Set the "Overflow" option so that ISDN BRI 1 overflows on ISDN BRI 2.
- Enter the call numbers for cordless extensions assigned to the ISDN BRI
 1 in the "MSN" column, in the "Answering terminal" area. See *Planning form*, page 3-20.

Administration for application 2 DECT 12 administration

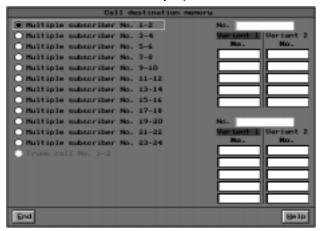
- 4. Click on the "Next trunk" button.
- 5. Repeat steps 2 and 3 for the second ISDN BRI.
- 6. Click twice on the "End" button.

Define the incoming call distribution

1. In the Main menu, click on the "Groups" button.



2. Select the "Call destination memory" option.



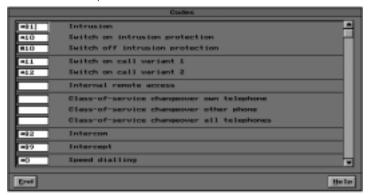
- Copy the number displayed into both columns "Variant 1" and "Variant 2".
 This screen allows to set the incoming call distribution for a couple of MSNs.
- **4.** Select the next pair of MSNs.

Note: MSNs 1 - 12 are linked to ISDN BRI 1 and MSNs 13 - 24 to ISDN BRI 2.

- 5. Repeat steps 3 and 4 for each cordless extension number.
- **6.** Click twice on the "End" button.

Check the consistency with EuroGeneris dial plan

1. In the Main menu, click on the "Codes" button.



- Check that DECT 12 feature access codes are different from EuroGeneris feature access codes.
- 3. Click on the "End" button.
- In the "File" menu, select the "Quit" option to quit the DECT 12 administration procedure.

Register the cordless phones

Register the first cordless phone

The first cordless phone to be registered is the Asministrator phone.

- 1. Press the Menu button.
- 2. Press the Previous or Next button to select the «SET UP» feature.



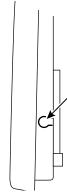
3. Press the OK button.

Administration for application 2 DECT 12 administration

4. Press the Previous or Next button to select the «LOG IN» feature.



At the radio hub, press the button located on the right-hand side



Note: You have one minute to achieve the registration procedure.

- **5.** At the cordless phone, press the **OK** button.
- 6. Enter "0000" (factory-setting)



- 7. Press the OK button.
- 8. System name is displayed.



The Administrator cordless phone is ready for operation.

Register additional cordless phones

At the Administrator cordless phone:

- 1. Press the ON/OFF HOOK button.
- 2. Press the Menu button.

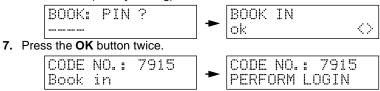


- 3. Press the Previous or Next button to select the «SET-UP MENU».
- 4. Press the OK button.



5. Press the OK button.

6. Enter "0000" (factory-setting)



At an additional cordless phone:

Note: You have one minute to achieve the registration procedure.

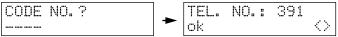
- 8. Press the Menu button.
- 9. Press the Previous or Next button to select the «SET UP» feature.



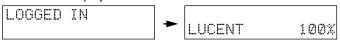
- 10. Press the OK button.
- 11. Press the Previous or Next button to select the «LOG IN» feature.



- 12. Press the OK button.
- 13. Enter the 4-digit code displayed by the system at the administrator phone.



- 14. Press the OK button.
- 15. System name is displayed.



The additional cordless phone is ready for operation.

Repeat the above steps for each cordless phone which requires registration on the system.

3

Administration

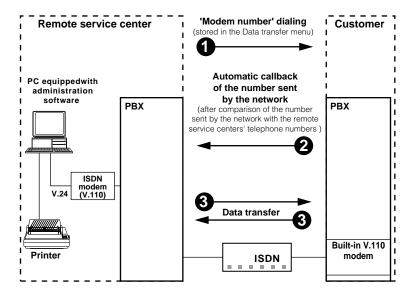
Administration for application 2 DECT 12 administration

Remote administration

Principle

DECT 12 remote administration is performed as follows:

- 1. The remote service center gives a call to the DECT 12 cordless system.
- 2. If administered as indicated in the prerequisites, the DECT 12 cordless system recognizes the remote service center's telephone number.
- 3. The DECT 12 cordless system gives a call to the remote service center automatically and remote administration can take place.



DECT 12 prerequisites
Establish the connection

DECT 12 prerequisites

DECT 12 remote administration via the digital network (ISDN) through EuroGeneris is possible if the following DECT 12 on-site operations have taken place.

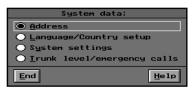
Establish the connection

- 1. Connect the PC to the DECT 12 radio hub serial port.
- 2. Run the "Dect12gb.exe" administration software application.
- **3.** Enter the appropriate password: **LUCENT**. *PC's keyboard should be in capital mode.*
- 4. Validate to access the main menu.



Store remote service centers' telephone numbers

1. Click on the "System data" button.



DECT 12 prerequisites

BEET 12 prerequience

Allow diagnostic programs and remote access

2. Click on the "Address" button.



Enter the appropriate names and numbers in the "Telephone No. of entitled remote service centers" area.

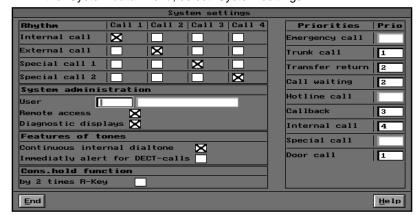
Warning: Lucent COE telephone number is used for remote-maintenance and thus should not be deleted.

Note: The analysis is performed on the first eight digits at the most.

4. Click on the "End" button.

Allow diagnostic programs and remote access

1. In the "System data" menu, select "System settings".



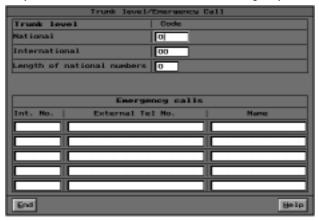
- 2. In the "System administration" area,
 - Select "Remote access".
 - Select "Diagnostic displays".
- Click on the "End" button.

DECT 12 prerequisites

Define national and international numbers

Define national and international numbers

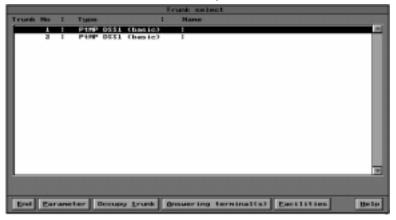
1. In the "System data" menu, select "Trunk level/emergency calls".



- 2. Enter the appropriate prefix in the field "National".
- 3. Enter the appropriate prefix in the field "International".
- **4.** Enter the appropriate value in the field "Length of national numbers".
- **5.** Click twice on the "End" button.

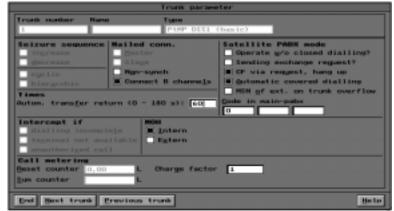
Administer ISDN BRI 1 for remote administration

1. In the Main menu, click on the "Trunk parameter" button.



Administer ISDN BRI 1 for remote administration

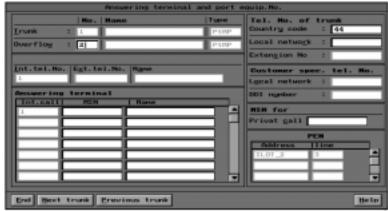
2. Click on the "Parameter" button.



- 3. In the "Nailed conn." area, check that
 - "Non-synch" is not selected.
 - "Connect B channels" is selected.

DECT 12 non-synchonization is mandatory when EuroGeneris is not connected to the digital network (TISDN BRI or PRI).

- 4. In the "Satellite PABX mode" area, check that
 - "Operate without closed dialling" is not selected.
 - "Sending exchange request" is not selected.
 - "MSN of ext. on trunk overflow" is not selected.
 - "CF via request, hang up" is selected.
 - "Automatic covered dialling" is selected.
- **5.** Enter "**0**" in the first field "Code in main-pabx".
- 6. Click on the "End" button.
- 7. In the "Trunk select menu", click on the "Answering terminal(s)" button.



- **8.** Enter the appropriate code in the field "Country code". For instance: "33" for France, "49" for Germany, "44" for the United Kingdom...
- 9. Take a note of the first MSN on ISDN BRI 1.

Remote administration

EuroGeneris prerequisites
Administer ISDN BRI 1 for remote administration

10. Click twice on the "End" button.

EuroGeneris prerequisites

DECT 12 remote administration via the digital network (ISDN) through EuroGeneris is possible if EuroGeneris is administered so that:

 The first MNS on the DECT 12 ISDN BRI 1 is assigned a DID number (See EuroGeneris Administration manual).

ISDN modem prerequisites

For remote operation via an external ISDN modem, we advise the following configuration:

Protocol: V110Baud rate: 38400Character length: 8

Parity: none

Number of stop bits: 1

· Flow control: none.

Bibliography

Reference documents

EuroGeneris

- Installation Manual
- Administration Manual
- GENECOM 1 User's manual.

DECT12

- WT9001 Handset features
- DECT 12 cordless system WT9001 cordless phone user's manual
- DECT 12 cordless system Installation manual.

Ordering information

Documents can be ordered from LUCENT TECHNOLOGIES (Service Commercial) in Saumur France, by calling +33 (0)2 41 53 42 22 or contact your local Lucent Technologies authorized representative.

If you need assistance, you can call:

LUCENT TECHNOLOGIES hotline +33 (0)2 41 53 42 73.

5

Bibliography

Ordering information
DEC T 12



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